



American Energy Corporation

43521 Mayhugh Hill Road
Beallsville OH, 43716

The Following Narrative Provides Responses to 5Gi-5Gx

5G.

The following Narrative identifies the 10 listed areas in 5G of the 308 request (where process water is generated), and describes how the water is conveyed, managed, and discharged.

i.) Underground Workings of underground mine.

NPDES Permit No. OIL00091*AD

SMCRA Permit No. D-0425 American Energy Corporation ("AEC")

The water responsive to 5G. i.) is brought to the surface by utilizing a series of underground sumps, pumps, and pipes that convey the water to either Pond 011 or Pond 002.

All water responsive to the 5G. i.) area is managed by the following ponds.

Pond 011- Water collected within the pond is retained until it discharges from the system via (outfall 011) a RIP RAP lined channel to Piney Creek or is pumped to a holding tank that is used for the underground mine supply.

Pond 002- Water collected within the pond is retained until it discharges from the system via (outfall 002) a pipe to an RIP RAP lined channel to Piney Creek.

ii.) Coal Preparation Plant areas and coal preparation plant associated areas (excluding coal refuse piles).

NPDES Permit No. OIL00091*AD

SMCRA Permit No. D-0425 AEC

All water responsive to 5G. ii.) is conveyed water via open channel ditch utilizing culverts (pipe) when necessary to Pond 012, Pond 008, and Pond 018.

Pond 012, Pond 008, Pond 018, and AEC's sewage plant are used to manage the water responsive to the 5G. ii.) area.

Pond 012- Water collected within the pond is retained until it discharges from the system via a RIP RAP lined channel to Pond 008A.

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Pond 008 series (A,B,C) - Water collected within the pond is retained until it discharges from the system via a grass lined channel to Pond 008B. Pond 008B water is collected is retained until it discharges via a grass lined channel to Pond 008C. Pond 008C water collected within the pond until it discharges from the system via (outfall 008) a RIP RAP lined channel to Piney Creek.

AEC Sewage Plant- Receives gray water along with sewage water from both AEC's preparation plant and AEC's office building via pipe. Water collected within the sewage plant is retained until it discharges from the system via (outfall 017) a plastic pipe to Piney Creek.

SMCRA Permit No. D-1159 AEC Strip Mine

NPDES Permit No. OHM000003

NPDES Application No. OGM00142*BG

Pond 018- Water collected within the pond is retained until it is pumped to AEC's preparation plant for makeup water. The pond has (outfall 018) a plastic HDPE pipe or a rock lined channel to Piney Creek. The pond is kept below the decant pipe under normal operating conditions.

iii.) Active mine area with a pH greater than 6 prior to treatment.

All water responsive to 5G. iii.) is conveyed via open channel ditch utilizing culverts (pipe) when necessary.

OGM00142*BG (Pond 001, Pond 002), OIL00091*AD (Pond 002, Pond 011, Pond 014) and AEC's sewage plant are used to manage the water responsive to the 5G. iii.) area.

SMCRA Permit No. D-1159 AEC Strip Mine

NPDES Permit No. OHM000003

NPDES Application No. OGM00142*BG

Pond 001- Water collected within the pond is retained until it discharges from the system via (outfall 001) a RIP RAP lined channel to Piney Creek.

Pond 002- Water collected within the pond is retained until it discharges from the system via (outfall 002) a RIP RAP lined channel to Piney Creek.

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SMCRA Permit No. D-0425 AEC

NPDES Permit No. OIL00091*AD

Pond 002- Water collected within the pond is retained until it discharges from the system via (outfall 002) a pipe to an RIP RAP lined channel to Piney Creek.

Pond 011- Water collected within the pond is retained until it discharges from the system via (outfall 011) a RIP RAP lined channel to Piney Creek.

Pond 014- Water collected within the pond is retained until it discharges from the system via (outfall 014) a plastic pipe into RIP RAP lined channel to Piney Creek.

AEC Sewage Plant- receives gray water along with sewage water from both AEC's preparation plant and AEC's office building via pipe. Water collected within the sewage plant is retained until it discharges from the system via (outfall 017) a plastic pipe to Piney Creek.

iv.) Active mine area with a pH less than 6 prior to treatment.

All water responsive to 5G. iv.) is conveyed via open channel ditch utilizing culverts (pipe) when necessary.

Ponds are used to manage the water responsive to the 5G. iv.) area.

SMCRA Permit No. D-1159 AEC Strip Mine

NPDES Permit No. OHM000003

NPDES Application No. OGM00142*BG

Pond 018- Water collected within the pond is retained until it is pumped to AEC's preparation plant for makeup water. The pond has (outfall 018) a plastic HDPE pipe and a RIP RAP lined channel to Piney Creek. The pond is kept below the decant pipe under normal operating conditions.

SMCRA Permit No. D-0425 AEC

NPDES Permit No. OIL00091*AD

Pond 012- Water collected within the pond is retained until it discharges from the system via a RIP RAP lined channel to Pond 008A.

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Pond 008 series (A,B,C) - Water collected within the pond is retained until it discharges from the system via a grass lined channel to Pond 008B. Pond 008B water is collected is retained until it discharges via a grass lined channel to Pond 008C. Pond 008C water collected within the pond until it discharges from the system via (outfall 008) a RIP RAP lined channel to Piney Creek.

Pond 013- Water collected within the pond is retained until it discharges from the system via (outfall 013) a plastic pipe into grass lined channel to Piney Creek.

Pond 015- Water collected within the pond is retained until it discharges from the system via (outfall 015) a plastic pipe to Captina Creek.

v.) Wastewater from coal refuse pile.

All water responsive to 5G. v.) is conveyed via open channel ditch utilizing culverts (pipe) when necessary.

Ponds are used to manage the water responsive to the 5G. v.) area.

SMCRA Permit No. D-1159 AEC Strip Mine

NPDES Permit No. OHM000003

NPDES Application No. OGM00142*BG

Pond 018- Water collected within the pond is retained therein until pumped and piped to AEC's preparation plant for makeup water. The pond has (outfall 018) a plastic HDPE pipe and a RIP RAP lined channel to Piney Creek. The pond is kept below the decant pipe under normal operating conditions.

SMCRA Permit No. D-0425 AEC

NPDES Permit No. OIL00091*AD

Pond 012- Water collected within the pond is retained until it discharges from the system via a RIP RAP lined channel to Pond 008A.

Pond 008 series (A,B,C) - Water collected within the pond is retained until it discharges from the system via a grass lined channel to Pond 008B. Pond 008B water is collected is retained until it discharges via a grass lined channel to Pond 008C. Pond 008C water collected within the pond until it discharges from the system via (outfall 008) a RIP RAP lined channel to Piney Creek.

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Pond 013- Water collected within the pond is retained until it discharges from the system via (outfall 013) a plastic pipe into grass lined channel to Piney Creek.

Pond 014- Water collected within the pond is retained until it discharges from the system via (outfall 014) a plastic pipe into a RIP RAP lined channel to Piney Creek.

Pond 015- Water collected within the pond is retained until it discharges from the system via (outfall 015) a plastic pipe to Captina Creek.

vi.) Controlled surface mine drainage wastewater.

All water responsive to 5G. vi.) is conveyed via open channel ditch utilizing culverts (pipe) when necessary.

Ponds are used to manage the water responsive to the 5G. vi.) area.

SMCRA Permit No. D-0425 AEC
NPDES Permit No. OIL00091*AD

Pond 002- Water collected within the pond is retained until it discharges from the system via (outfall P-002) to an RIP RAP lined channel to Piney Creek.

Pond 008 series (A,B,C) - Water collected within the pond is retained until it discharges from the system via a grass lined channel to Pond 008B. Pond 008B water is collected is retained until it discharges via a grass lined channel to Pond 008C. Pond 008C water collected within the pond until it discharges from the system via (outfall 008) a RIP RAP lined channel to Piney Creek.

Pond 011- Water collected within the pond is retained until it discharges from the system via (outfall P-001) a RIP RAP lined channel to Piney Creek.

Pond 012- Water collected within the pond is retained until it discharges from the system via a RIP RAP lined channel to Pond 008A.

Pond 013- Water collected within the pond is retained until it discharges from the system via (outfall 013) a plastic pipe into grass lined channel to Piney Creek.

Pond 014- Water collected within the pond is retained until it discharges from the system via (outfall 014) a plastic pipe into RIP RAP lined channel to Piney Creek.

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Pond 015- Water collected within the pond is retained until it discharges from the system via (outfall 015) a plastic pipe to Captina Creek.

Pond 019- Water collected within the pond is retained. Pond 019 has a grass lined discharge channel but has never discharged.

Pond 1-S- Water collected within the pond is retained until pumped and piped to preparation plant for makeup water. The pond has a RIP RAP lined channel to Captina Creek. The Pond is kept below the decant pipe under normal operating conditions.

Pond 2-S- Water collected within the pond is retained until it discharges from the system via a plastic pipe to 1-S.

SMCRA Permit No. D-1159 AEC Strip Mine

NPDES Permit No. OHM000003

NPDES Application No. OGM00142*BG

Pond 001- Water collected within the pond is retained until it discharges from the system via (outfall 001) a RIP RAP lined channel to Piney Creek.

Pond 002- Water collected within the pond is retained until it discharges from the system via (outfall 002) a RIP RAP lined channel to Piney Creek.

Pond 018- Water collected within the pond is retained until it is pumped to AEC's preparation plant for makeup water. The pond has (outfall 018) a plastic HDPE pipe and a RIP RAP lined channel to Piney Creek. The pond is kept below the decant pipe under normal operating conditions.

vii.) Non-controlled surface mine drainage waste water.

The narrative response for this item is Not Applicable to American Energy Corp. AEC because there is no non-controlled surface mine drainage wastewater.

viii.) Steep slope and mountaintop removal areas.

The narrative response for this item is Not Applicable to American Energy Corp. AEC because there are no steep slope or mountaintop removal areas at AEC's site.

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The Following Narrative Provides Responses to 5Gi-5Gx

ix.) Reclamation areas

All water responsive to 5G. ix.) is conveyed via open channel ditch utilizing culverts (pipe) when necessary.

Ponds are used to manage the water responsive to the 5G. ix.) area.

SMCRA Permit No. D-0425 AEC

NPDES Permit No. OIL00091*AD

Pond 015- Water collected within the pond is retained until it discharges from the system via (outfall 015) a plastic pipe to Captina Creek.

SMCRA Permit No. D-1159 AEC Strip Mine

NPDES Permit No. OHM000003

NPDES Application No. OGM00142*BG

Pond 001- Water collected within the pond is retained until it discharges from the system via (outfall 001) a RIP RAP lined channel to Piney Creek.

Pond 002- Water collected within the pond is retained until it discharges from the system via (outfall 002) a RIP RAP lined channel to Piney Creek.

x.) Pre-existing discharges that are within or hydrologically connected to a pollution abatement area.

Not applicable. American Energy Corporation has no areas pertaining to pollution abatement areas.

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CWA Section 308

I. Instructions

9. Documents and persons consulted examined or referenced.

Referenced Documents

NPDES Permit OIL00091*GD

General NPDES: OHM00003/App. OGM00142*BG

SMCRA Permit D-1159

SMCRA Permit D-0425

Persons Consulted

Populated Original Response: Dennis Dubiel

Reviewer: Cody Mozena

Reviewer: Drew Hudson

Reviewer: Dave Washinsky

Reviewer: Crellin Scott

Environmental Consultants Contacted for preparation and submittal of the referenced documents.

Hamilton and Associates